

LINEAR TECHNOLOGY MATERIALS DECLARATION

LT1499CS#PBF

(Engineering Calculation)

SOC

(printed on: 2014-01-19 22:06:34)

TOTAL MASS (g): 0.135609

COMPONENT MATERIAL	VENDOR/INDUSTRY NAMES	CONSTITUENT NAME	CAS NUMBER	CONSTITUENT MASS (g)	CONSTITUENT (PPM) OF MATERIAL	CONSTITUENT (PPM) OF TOTAL Pkg.		
Active Device	Linear Technology	Silicon (Si)	7440-21-3	0.004297	1000000	23423.9960938		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000183	1000000	1349.46350098		
Lead Frame	A42	Copper (Cu)	7440-50-8	0.000000	0	0		
		Iron (Fe)	7439-89-6	0.023972	580000	191520.578125		
		Phosphorus (P)	7723-14-0	0.000000	0	0		
		Zinc (Zn)	7440-66-6	0.000000	0	0		
		Nickel (Ni)	7440-02-0	0.018808	420000	13602.390625		
		Silicon (Si)	7440-21-3	0.000000	0	0		
		Magnesium (Mg)	7439-96-4	0.000000	0	0		
		Tin (Sn)	7440-31-5	0.000000	0	0		
		Lead Frame Total:				0.044780	1000000	330212.96875
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.002585	1000000	19065.2203125		
		External Plating Total:				0.002585	1000000	19065.2203125
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.000358	1000000	2639.9338789		
		Internal Plating Total:				0.000358	1000000	2639.9338789
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001189	750000	8767.82519531		
		Tin (Sn)	7440-31-5	0.000000	0	0		
		Lead (Pb)	7439-92-1	0.000000	0	0		
		Silica (SiO2)	60676-86-0	0.000000	0	0		
		Indium (In)	7440-74-6	0.000000	0	0		
		Metal Oxide		0.000000	0	0		
		Antimony (Sb)	7440-36-0	0.000000	0	0		
		Resin (EP)		0.000186	250000	2920.15063477		
		Die Attach Total:				0.001585	1000000	11687.976625
		Encapsulation	MULTIAROMATIC RESIN BOND FREE	Resin (EP)		0.010578	130000	78003.4140625
				Bromine (Br)	40079-09-8	0.000000	0	0
Silica (SiO2)	60676-86-0			0.067535	830000	498011.03125		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.002648	35000	21001.4863281		
Carbon Black (C)	1333-86-4			0.000407	5000	3001.26586914		
Encapsulation Total:						0.081688	1000000	600017.1875
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000353	1000000	2603.86347656		

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